

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Denis PENNINCKX, et al.

Attorney Docket No. 67604

Appln. No.: Not Yet Known

Confirmation No.: Not Yet Known

Group Art Unit: Not Yet Known

Filed: December 18, 2001

Examiner: Not Yet Known

For: AN ADJUSTABLE DIFFERENTIAL GROUP DELAY GENERATOR AND A POLARIZATION  
DISPERSION COMPENSATOR INCORPORATING IT

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

**IN THE CLAIMS:**

**Please enter the following amended claims:**

7. (Amended)The differential group delay generator claimed in claim 4, including a third compensating dispersive component adapted to receive said second component and having a chromatic dispersion substantially equal to the cumulative chromatic dispersion of said second dispersive component and said delaying dispersive component.

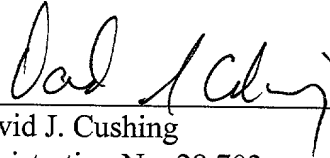
9. (Amended) A polarization dispersion compensator for optical transmission systems including a sender terminal sending data in the form of a polarized optical signal, an optical transmission link, and a receiver terminal, said polarization dispersion compensator including a polarization controller, adjustable differential group delay generator means, said controller and said adjustable differential group delay generator means being interleaved between said transmission link and said receiver terminal in that order, and control means for controlling said polarization controller and said differential group delay generator means, which differential group delay generator means conform to the differential group delay generator claimed in claim 1.

PRELIMINARY AMENDMENT  
Attorney Docket No. Q67604

REMARKS

Entry and consideration of this Amendment is respectfully requested.

Respectfully submitted,



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Date: December 18, 2001

**APPENDIX**

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS:**

**The claims are amended as follows:**

7. (Amended) The differential group delay generator claimed in ~~claim 4 or claim 6~~ claim 4, including a third compensating dispersive component adapted to receive said second component and having a chromatic dispersion substantially equal to the cumulative chromatic dispersion of said second dispersive component and said delaying dispersive component.
9. (Amended) A polarization dispersion compensator for optical transmission systems including a sender terminal sending data in the form of a polarized optical signal, an optical transmission link, and a receiver terminal, said polarization dispersion compensator including a polarization controller, adjustable differential group delay generator means, said controller and said adjustable differential group delay generator means being interleaved between said transmission link and said receiver terminal in that order, and control means for controlling said polarization controller and said differential group delay generator means, which differential group delay generator means conform to the differential group delay generator claimed in ~~any of claims 1 to 6~~ claim 1.